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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,868	06/15/2001	Chidambaram Krishnan	010362	8522

23696 7590 07/01/2004

Qualcomm Incorporated
Patents Department
5775 Morehouse Drive
San Diego, CA 92121-1714

EXAMINER

MOORTHY, ARAVIND K

ART UNIT

PAPER NUMBER

2131

DATE MAILED: 07/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/881,868

Applicant(s)

KRISHNAN ET AL.

Examiner

Aravind K Moorthy

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/29/02.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

1. Claims 1-33 are pending in the application.
2. Claims 1-33 have been rejected.

Specification

3. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

The abstract exceeds the 150-word limit.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the

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reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1-8 and 21-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Wan U.S. Patent No. 6,680,920 B1.

As to claims 1 and 21, Wan discloses a method comprising:

storing a first unique identifier within a wireless communication device
(WCD);

receiving a second unique identifier for a subscriber identity module
(SIM) coupled to the WCD upon supplying power to the SIM; and

controlling access to the SIM based on the first unique identifier and the
second unique identifier [column 13 line 58 to column 14 line 43].

As to claims 2, 8 and 26, Wan discloses controlling access to the SIM includes restarting
a security authorization process [column 15, lines 19-36].

As to claims 3, 10 and 22, Wan discloses controlling access comprises:

comparing the first unique identifier and the second unique identifier, and
permitting access to the SIM when the first unique identifier equals the
second unique identifier [column 15, lines 46-58].

As to claims 4 and 23, Wan discloses storing the first unique identifier comprises storing
the first unique identifier when power is initially supplied to the WCD [column 15, lines 59-67].

As to claims 5 and 24, Wan discloses receiving the first unique identifier from a first SIM
coupled to the WCD when power is supplied to the WCD [column 15, lines 59-67].

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As to claims 6, 16, 20, 25 and 29, Wan discloses that the first and second unique identifiers comprise Integrated Circuit Card Identifiers (ICCID) [column 17, lines 6-27].

As to claim 7, Wan discloses a method comprising:

reading a first unique identifier from a subscriber identity module (SIM) coupled to a wireless communication device (WCD) when power is supplied to the WCD; storing the first unique identifier within a computer-readable medium within the WCD; terminating power to the SIM during a power management cycle, receiving a second unique identifier from the SN upon re-supplying power to the SIM during the power management cycle, and controlling access to the SIM based on the first unique identifier and the second unique identifier [column 17, lines 28-63].

As to claim 11, Wan discloses that controlling access further includes declaring the SIM card changed when the first unique identifier does not equal the second unique identifier [column 18, lines 35-53].

As to claims 12 and 33, Wan suggests that the SIM includes an interface circuit that interfaces with the WCD, and terminating power to the SIM includes terminating power to the interface circuit [column 19, lines 45-59].

As to claim 13, Wan suggests storing the first unique identifier comprises storing the unique identifier in random access memory (RAM) within a modem within the WCD [column 7, lines 51-61].

As to claim 14, Wan discloses displaying a status of the SIM to a user based on the first and second unique identifiers [column 19, lines 23-44].

As to claims 15 and 31, Wan discloses controlling access to the SIM comprises terminating power to the SIM when the first unique identifier does not equal the second unique identifier [column 19, lines 45-59].

As to claim 17, Wan discloses controlling access to the SIM comprises:

- continuing the power management cycle by maintaining power to the SIM when the first unique identifier equals the second unique identifier; and
- aborting the power-up process when the first unique identifier does not equal the second unique identifier [column 22, lines 18-51].

As to claim 18, Wan discloses that terminating power to the SIM comprises terminating power to the SIM in response to a power down command and based on a result from a voting process [column 21, lines 21-36].

As to claim 19, Wan discloses that terminating power to the SIM comprises terminating power to the SIM when no request is pending for service by the SIM and no software module running on the WCD requests maintenance of power to the SIM [column 24, lines 57-67].

As to claim 27, Wan discloses a wireless communication device (WCD) comprising:

- a memory to store a first unique identifier when power is initially applied to the WCD; and
- a processor to receive a second unique identifier for a subscriber identity module (SIM) coupled to the WCD upon re-supplying power to the SIM during a power

management cycle, and to control access to the SIM based on the first unique identifier and the second unique identifier [column 17, lines 28-63].

As to claim 28, Wan discloses that the processor permits access to the SIM when the first unique identifier equals the second unique identifier [column 15, lines 46-58].

As to claim 30, Wan discloses that the processor controls access to the SIM when the first unique identifier does not equal the second unique identifier [column 15, lines 46-58].

As to claim 32, Wan discloses that the processor restarts a security authorization process when the first unique identifier does not equal the second unique identifier, as discussed above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wan U.S. Patent No. 6,680,920 B1 as applied to claim 7 above, and further in view of Musoll U.S. Patent No. 6,282,614 B1.

As to claim 9, Wan does not teach that restarting a security authorization process includes invalidating an access code cache.

Musoll teaches restarting a security authorization process includes invalidating an access code cache [column 5, lines 28-67].

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Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Wan so that the security authorization process would have included invalidating an access code cache.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Wan by the teaching of Musoll because by invalidating an access code cache, it helps lower power consumption [column 2, lines 33-42].

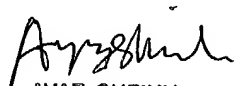
Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aravind K Moorthy whose telephone number is 703-305-1373. The examiner can normally be reached on Monday-Friday, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 703-305-9648. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Aravind K Moorthy
June 25, 2004


AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100